

conover & company
communications, inc.

7 Highland Street, South Dartmouth, MA 02748 Telephone: 866-411-7321 • Fax 866-533-9885

Informational Materials

We will be directing US companies, state agencies, municipalities and academic institutions to a project web site (url below) where we will post profiles on each of the Canadian entities that will be attending Clean Technology 2011 and for whom we will be setting up meetings. The information that has been prepared to date follows this page.

<http://www.planoandsimple.com/techconnect-company-summaries>.

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Carbon Energy Solutions Inc.



Hydrostor

Biodiesel Reactor Technologies



www.bdrtechnologies.com

Contact Information:

Ken Lawless

lawless@bdrtechnologies.com

613-834-0413

6143 Lantieri Cres.

Ottawa, ON

K1W 1C6

Year Founded: 2007

Cleantech Category: Renewable Energy

Company Overview:

BDR's proprietary membrane reactor system produces high quality biodiesel that surpasses industry quality specifications and provides significant capital, operating and input cost savings to our customers. More specifically, this technology provides biodiesel producers with: a cost-effective solution to address the fuel filter plugging quality issues of biodiesel-diesel blends; improved processing margins; and flexibility to reduce input costs by utilizing low cost-FFA (free fatty acid) waste oils and next generation feedstocks (e.g. algae) without costly pre-treatment for FFAs or distillation of the final product. Our technology can be used to retrofit existing, uneconomical and feedstock constrained production facilities as well as for new builds.

Markets & Applications:

The multi-billion dollar global biodiesel industry is recovering after the recession with increased demand driven by increases in mandated biodiesel-diesel blends. However, biodiesel producers face a number of issues, namely: rudimentary reactor technology that often fails to ensure quality in commercial applications; feedstock cost and availability concerns; weak process economics; and tight credit markets. Existing conventional technologies make it difficult for the industry to meet increasingly more stringent quality

Feedback

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Technology & Products

QAL

Sustainable Competitive Advantages:

BDR's membrane reactor utilizes microporous ceramic membrane technology (simultaneous reaction and membrane-based separation process) that produces high quality biodiesel utilizing low cost inputs. BDR has the exclusive global license and has patents (method and apparatus) in examination in US, Canada, EU, Asia and South America.

Business Model & Financials

Cell

Team:

Management has extensive experience in technology commercialization including the petrochemical and biofuels industries.

- Ken Lawless, CEO (former CEO Ottawa Life Sciences Council)
- Brian Roubin, CFO (former Partner PricewaterhouseCoopers LLP)
- Greg Rogers, VP Bus. Dev. (former Manager Biofuels, Shell Canada)
- Tom Janicko, VP Eng. (former Manager Iogen Cellulosic Ethanol Plant)
- Dr. André Tremblay, Founding Scientist (Prof., Chemical Engineering (Ottawa))

Development Plans:

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